Neuroscience Letters, 118 (1990) 279–282
Elsevier Scientific Publishers Ireland Ltd.

AUTHOR INDEX

Agnati, L.F., see Aguirre, J.A., 5
Aguirre, J.A., Fuxe, K., Agnati, L.F. and Von Euler, G., Centrally injected neuropeptide Y (13–36) produces vasopressor effects and antagonizes the vasodepressor action of neuropeptide Y (1–36) in the awake male rat, 5
Aiuchi, T., see Xu, M., 205
Albin, R.L., Makowiec, R.L., Hollingsworth, Z., IV, L.S.D., Penney, J.B. and Young, A.B., Excitatory amino acid binding sites in the periaqueductal gray of the rat, 112
Allnatt, J., Dickson, K. and Lisney, S.J.W., Saphenous nerve injury and regeneration on one side of a rat suppresses the ability of the contralateral nerve to evoke plasma extravasation, 219
Anand, P., Gibson, S.J., Scaravilli, F., Blank, M.A., McGregor, G.P., Appenzeller, O., Dhital, K., Polak, J.M. and Bloom, S.R., Studies of vasoactive intestinal polypeptide expression in injured peripheral neurons using capsaicin, sympathectomy and *mf* mutant rats, 61
Aoki, M., see Gang, S., 273
Appenzeller, O., see Anand, P., 61
Arakawa, H., see Xu, M., 205
Arbuthnott, G.W., see McQueen, J.K., 77
Århem, P., see Johansson, S., 155
Astier, B., Van Bockstaele, E.J., Aston-Jones, G. and Pieribone, V.A., Anatomical evidence for multiple pathways leading from the rostral ventrolateral medulla (nucleus paragigantocellularis) to the locus coeruleus in rat, 141
Aston-Jones, G., see Astier, B., 141
Axelrod, J., see Kanterman, R., 235

Barry, D.I., see Wanscher, B., 33
Battenberg, E., see Sanna, P.P., 136
Baudry, M., see Massicotte, G., 245
Beats, B.C., see Kerwin, R.W., 164
Becker, J.B., Estrogen rapidly potentiates amphetamine-induced striatal dopamine release and rotational behavior during microdialysis, 169
Bergmann, I., see Nitsch, R., 147
Berk, M.F., see Springer, A.D., 1
Bernard, G., see Ziylan, Y.Z., 181
Bernardi, G., see Calabresi, P., 99
Blank, M.A., see Anand, P., 61
Bloom, F.E., see Sanna, P.P., 136
Bloom, S.R., see Anand, P., 61
Bolwig, T., see Wanscher, B., 33
Bourre, J.M., see Ziylan, Y.Z., 181
Bradford, H.F., see Croucher, M.J., 29
Briley, E., see Kanterman, R., 235
Brookes, S.J.H. and Costa, M., Identification of enteric motor neurones which innervate the circular muscle of the guinea pig small intestine, 227
Brunello, N., Reynolds, M., Wrathall, J. and Mocchetti, I., Increased nerve growth factor receptor mRNA in contused rat spinal cord, 238
Bruno, J.P., see Johnson, B.J., 120
Budd, G.C., see Meimaridis, D.G., 116
Bijak, M. and Misgeld, U., Interaction of lithium with postsynaptic inhibition in guinea pig hippocampal neurons, 21

Calabresi, P., Mercuri, N.B., De Murtas, M. and Bernardi, G., Endogenous GABA mediates presynaptic inhibition of spontaneous and evoked excitatory synaptic potentials in the rat neostriatum, 99
Campbell, K.J., Takada, M. and Hattori, T., Evidence for retrograde axonal transport of MPP in the rat, 151
Chahl, L.A., Morphine produces release of substance P-like immunoreactivity from guinea-pig central nervous system, 88
Chaudhuri, A., A motion illusion generated by afternystagmus suppression, 91
Claiborne, B., see Felthauser, A., 249
Costa, M., see Brookes, S.J.H., 227
Croucher, M.J. and Bradford, H.F., 7-Chlorokynurenic acid, a strychnine-insensitive glycine receptor antagonist, inhibits limbic seizure kindling, 29
Cruz, L., see Mena, E. Edward, 241
Cuello, A.C., see Maysinger, D., 252
Czachurski, J., see König, S., 265

Darlington, C.L., see Gilchrist, D.P.D., 14
Dauzvardis, M., see Khan, T., 172
Daval, G., see Mestikawy, S.E., 189
Davison, I., see Ingram, C.D., 67
Dawson, R.M., Reversibility of the inhibition of acetylcholinesterase by tacrine, 85
Deana, A. and Scuka, M., Time course of neostigmine action on the endplate response, 82
Dembowsky, K., see König, S., 265
De Mendonça, A. and Ribeiro, J.A., 2-Chloroadenosine decreases long-term potentiation in the hippocampal CA1 area of the rat, 107 107
De Murtas, M., see Calabresi, P., 99
Deutsch, S.I., Panchision, D.M., Rosse, R.B., Novitzki, M.R., Miller, L.P. and Mastropaolo, J., Interaction of cholinergic and glutamatergic transmission in the hippocampus: an in vitro autoradiographic receptor analysis, 124
Dhital, K., see Anand, P., 61
Dickson, K., see Allnatt, J., 219
Duggan, A.W., see Hope, P.J., 25
Dupouy, J., see Lalau, J., 208

Fabre-Thorpe, M., Levesque, F. and Gary-Bobo, E., Long-term effects of dark rearing on a visually guided reaching movement in cats, 201
Felder, C., see Kanterman, R., 235
Felthauser, A. and Claiborne, B., Intracellular labeling of dentate granule cells in fixed tissue permits quantitative analysis of dendritic morphology, 249
Fink, G., see McQueen, J.K., 77
Franck, J.E. and Roberts, D.L., Combined kainate and ischemia produces 'mesial temporal sclerosis', 159
Frangione, B., see Timmers, W., 223
Frotscher, M., see Nitsch, R., 147
Fuji, K., see Yamada, K., 128
Fuxe, K., see Aguirre, J.A., 5

0304-3940/90/$ 03.50 © 1990 Elsevier Scientific Publishers Ireland Ltd.

Gage, P.W., see Saint, D.A., 9
Gaik, G., see Khan, T., 172
Gang, S., Mizuguchi, A., Kobayashi, N. and Aoki, M., Descending axonal projections from the medial parabrachial and Kölliker–Fuse nuclear complex to the nucleus raphe magnus in cats, 273
Gary-Bobo, E., see Fabre-Thorpe, M., 201
Gelman, I.H., see Kemp, L.M., 185
Gibson, S.J., see Anand, P., 61
Gilchrist, D.P.D., Smith, P.F. and Darlington, C.L., ACTH(4–10) accelerates ocular motor recovery in the guinea pig following vestibular deafferentation, 14
Gillespie, R., see Schegg, K., 197
Gozlan, H., see Mestikawy, S.E., 189
Gullak, M., see Mena, E. Edward, 241

Haan, J., see Timmers, W., 223
Hamon, M., see Mestikawy, S.E., 189
Hatano, K., see Yanai, K., 41
Hatazawa, J., see Yanai, K., 41
Hattori, T., see Campbell, K.J., 151
Herrera-Marschitz, M., see Maysinger, D., 252
Hervonen, A., see Suhonen, J., 215
Hollingsworth, Z., see Albin, R.L., 112
Hong, J.S., see Zhang, W.Q., 57
Hope, P.J., Lang, C.W. and Duggan, A.W., Persistence of immunoreactive neurokinins in the dorsal horn of barbiturate anaesthetized and spinal cats, following release by tibial nerve stimulation, 25
Howard, J. and Pilkington, G.J., Antibodies to fibronectin bind to plaques and other structures in Alzheimer's disease and control brain, 71

Ido, T., see Yanai, K., 41
Ingram, C.D., Davison, I. and Wakerley, J.B., Facilitatory effect of hypothalamo-neurohypophysial tract stimulation on milk ejection frequency in the lactating rat, 67
Ishiwata, K., see Yanai, K., 41
Itoh, M., see Yanai, K., 41
IV, L.S.D., see Albin, R.L., 112
Iwata, R., see Yanai, K., 41

Johansson, S. and Århem, P., Graded action potentials in small cultured rat hippocampal neurons, 155
Johnson, B.J. and Bruno, J.P., D_1 and D_2 receptor contributions to ingestive and locomotor behavior are altered after dopamine depletions in neonatal rats, 120

Kalaria, R.N., Sromek, S., Wilcox, B.J. and Unnerstall, J.R., Hippocampal adenosine A_1 receptors are decreased in Alzheimer's disease, 257
Kameyama, T., see Yamada, K., 128
Kanterman, R., Ma, A., Briley, E., Axelrod, J. and Felder, C., Muscarinic receptors mediate the release of arachidonic acid from spinal cord and hippocampal neurons in primary culture, 235
Kato, T., see Xu, M., 205
Kawamura, H., see Saitoh, Y., 45
Kemp, L.M., Gelman, I.H., Silverstein, S.J. and Latchman, D.S., Regulation of herpes simplex virus immediate-early gene promoters in mouse neuroblastoma cells, 185
Kerwin, R.W. and Beats, B.C., Increased forskolin binding in the left parahippocampal gyrus and CA1 region in post mortem schizophrenic brain determined by quantitative autoradiography, 164
Keyser, K.T., see Sanna, P.P., 136
Khan, T., Sayers, S., Gaik, G. and Dauzvardis, M., Carbon filaments provide support and directionality to growing rat fetal spinal cord explants, 172
Kitazawa, S., Ohki, Yu. and Xi, M.-C., Characterization of premotor interneurones by their input patterns – Application of principal component analysis to cat cervical interneurones, 96
Knott, J.C.A. and Pilkington, G.J., A2B5 Surface ganglioside binding distinguishes between two GFAP-positive clones from a human glioma-derived cell line, 52
Kobayashi, N., see Gang, S., 273
Koistinaho, J., see Suhonen, J., 215
König, S., Czachurski, J. and Dembowsky, K., Inhibition of cardiac sympathetic nerve activity during swallowing evoked by laryngeal afferent stimulation in the cat, 265
Kragh, J., see Wanscher, B., 33
Kumada, M., see Terui, N., 211
Küppers, K., see Nitsch, R., 147

Lalau, J. and Dupouy, J., Inhibition of aromatase activity during pregnancy affects sex-related adrenocorticotropic hormone release in response to ether-inhalation in juvenile rats, 208
Lang, C.W., see Hope, P.J., 25
Laporte, A.-M., see Mestikawy, S.E., 189
Latchman, D.S., see Kemp, L.M., 185
Lefauconnier, J.M., see Ziylan, Y.Z., 181
Leiva, J. and Saavedra, H., Eye movement-related neurons in the red nucleus, 37
Levesque, F., see Fabre-Thorpe, M., 201
Lisney, S.J.W., see Allnatt, J., 219
Lothman, E., see Stringer, J.L., 231

Ma, A., see Kanterman, R., 235
Macrae, I.M., see Robinson, M.J., 269
Maeda, M., see Nakai, M., 49
Maeda, M., see Xu, M., 205
Makowiec, R.L., see Albin, R.L., 112
Malgat, M., see Maurice, A., 177
Manteuffel, G., see Naujoks-Manteuffel, C., 103
Marshall, K., see Xiong, H., 261
Massicotte, G. and Baudry, M., Modulation of DL-α-amino-3-hydroxy-5-methylisoxazole-4-propionate (AMPA)/quisqualate receptors by phospholipase A_2 treatment, 245
Mastropaolo, J., see Deutsch, S.I., 124
Masuda, N., see Terui, N., 211
Matsuzawa, T., see Yanai, K., 41
Maurice, A. and Malgat, M., Evidence for the biosynthesis of ceramide-phosphoethanolamine in brain synaptic plasma membrane vesicles and in sciatic nerve microsomes from normal and *Trembler* mice, 177
Maysinger, D., Herrera-Marschitz, M., Ungerstedt, U. and Cuello, A.C., Effects of treatment with microencapsulated monosialoganglioside GM1 on cortical and striatal acetylcholine release in rats with cortical devascularizing lesions, 252
McCulloch, J., see Robinson, M.J., 269
McGregor, G.P., see Anand, P., 61
McQueen, J.K., Wright, A.K., Arbuthnott, G.W. and Fink, G., Glial fibrillary acidic protein (GFAP)-immunoreactive astrocytes are increased in the hypothalamus of androgen-insensitive testicular feminized *(Tfm)* mice, 77
Meimaridis, D.G., Morse, D.E., Pansky, B. and Budd, G.C., Insulin immunoreactivity in the fetal and neonatal rat retina, 116

Mena, E. Edward, Gullak, M., Pagnozzi, M., Richter, K., Rivier, J., Cruz, L. and Olivera, B., Conantokin-G: a novel peptide antagonist to the *N*-methyl-D-aspartic acid (NMDA) receptor, 241
Mercuri, N.B., see Calabresi, P., 99
Mestikawy, S.E., Riad, M., Laporte, A.-M., Vergé, D., Daval, G., Gozlan, H. and Hamon, M., Production of specific anti-rat 5-HT_{1A} receptor antibodies in rabbits injected with a synthetic peptide, 189
Miller, L.P., see Deutsch, S.I., 124
Misgeld, U., see Bijak, M., 21
Mizuguchi, A., see Gang, S., 273
Mocchetti, I., see Brunello, N., 238
Morel, K.D., see Springer, A.D., 1
Morse, D.E., see Meimaridis, D.G., 116
Mueller, G., see Nitsch, R., 147

Nabeshima, T., see Yamada, K., 128
Nakai, M. and Maeda, M., An increase in regional brain blood flow during hypertension induced by chemical inhibition of the nucleus tractus solitarius in rats, 49
Nakamura, S., see Sakaguchi, T., 193
Nakamura, Ya., see Xu, M., 205
Nakaya, K., see Xu, M., 205
Naujoks-Manteuffel, C. and Manteuffel, G., Quantitative distribution of descending tectal efferent cells in salamanders, 103
Nihonmatsu, I., see Saitoh, Y., 45
Nitsch, R., Bergmann, I., Küppers, K., Mueller, G. and Frotscher, M., Late appearance of parvalbumin-immunoreactivity in the development of GABAergic neurons in the rat hippocampus, 147
Novitzki, M.R., see Deutsch, S.I., 124
Nowak, J.Z., see Zawilska, J.B., 17
Nunoki, K., see Yanai, K., 41

Ohki, Yu., see Kitazawa, S., 96
Olivera, B., see Mena, E. Edward, 241

Pagnozzi, M., see Mena, E. Edward, 241
Panchision, D.M., see Deutsch, S.I., 124
Pansky, B., see Meimaridis, D.G., 116
Peacock, J., see Schegg, K., 197
Penney, J.B., see Albin, R.L., 112
Pieribone, V.A., see Astier, B., 141
Pilkington, G.J., see Howard, J., 71
Pilkington, G.J., see Knott, J.C.A., 52
Polak, J.M., see Anand, P., 61
Prym, U., see Schegg, K., 197

Reid, J.L., see Robinson, M.J., 269
Reynolds, M., see Brunello, N., 238
Riad, M., see Mestikawy, S.E., 189
Ribeiro, J.A., see De Mendonça, A., 107
Richter, K., see Mena, E. Edward, 241
Rivier, J., see Mena, E. Edward, 241
Roberts, D.L., see Franck, J.E., 159
Robinson, M.J., Macrae, I.M., Todd, M., Reid, J.L. and McCulloch, J., Reduction of local cerebral blood flow to pathological levels by endothelin-1 applied to the middle cerebral artery in the rat, 269
Rosse, R.B., see Deutsch, S.I., 124

Saavedra, H., see Leiva, J., 37
Sabban, E.L., see Springer, A.D., 1
Saeki, Yu., see Terui, N., 211
Saint, D.A., Thomas, T. and Gage, P.W., $GABA_B$ agonists modulate a transient potassium current in cultured mammalian hippocampal neurons, 9
Saitoh, Y., Nihonmatsu, I. and Kawamura, H., Location of the suprachiasmatic nucleus grafts in rats which restored circadian rhythmicity after transplantation, 45
Sakaguchi, T. and Nakamura, S., Duration-dependent effects of repeated restraint stress on cortical projections of locus coeruleus neurons, 193
Sanna, P.P., Keyser, K.T., Battenberg, E. and Bloom, F.E., Parvalbumin immunoreactivity in the rat retina, 136
Sayers, S., see Khan, T., 172
Scaravilli, F., see Anand, P., 61
Schegg, K., Gillespie, R., Prym, U. and Peacock, J., Changes in membrane-bound and soluble molecular forms of acetylcholinesterase in mouse hippocampus after cholinergic denervation, 197
Scuka, M., see Deana, A., 82
Silverstein, S.J., see Kemp, L.M., 185
Smith, P.F., see Gilchrist, D.P.D., 14
Sobotka, T.J., see Zhang, W.Q., 57
Springer, A.D., Sabban, E.L., Morel, K.D., Berk, M.F., Vogel, J.R. and Wilson, B.R., Enhanced labeling of mitotic retinal cells with an intraocular [^{3}H]thymidine injection, 1
Sromek, S., see Kalaria, R.N., 257
Stringer, J.L. and Lothman, E., A_1 adenosinergic modulation alters the duration of maximal dentate activation, 231
Suhonen, J., Koistinaho, J. and Hervonen, A., Viability of adrenal chromaffin cells in the superior cervical ganglion of young adult and aged rats, 215
Sumi, T., see Umeda, Yu., 278

Tagliavini, F., see Timmers, W., 223
Takada, M., see Campbell, K.J., 151
Takada, M., The A11 catecholamine cell group: another origin of the dopaminergic innervation of the amygdala, 132
Takeshige, C., see Xu, M., 205
Tandon, P., see Zhang, W.Q., 57
Terui, N., Masuda, N., Saeki, Yu. and Kumada, M., Activity of barosensitive neurons in the caudal ventrolateral medulla that send axonal projections to the rostral ventrolateral medulla in rabbits, 211
Thomas, T., see Saint, D.A., 9
Tilson, H.A., see Zhang, W.Q., 57
Timmers, W., Tagliavini, F., Haan, J. and Frangione, B., Parenchymal preamyloid and amyloid deposits in the brains of patients with hereditary cerebral hemorrhage with amyloidosis—Dutch type, 223
Todd, M., see Robinson, M.J., 269
Tsuji, A., see Xu, M., 205

Umeda, Yu. and Sumi, T., Release of endogenous acetylcholine from rat brain slices with or without cholinesterase inhibition and its potentiation by hemicholinium-3, 278
Ungerstedt, U., see Maysinger, D., 252
Unnerstall, J.R., see Kalaria, R.N., 257

Van Bockstaele, E.J., see Astier, B., 141
Vergé, D., see Mestikawy, S.E., 189
Vogel, J.R., see Springer, A.D., 1
Von Euler, G., see Aguirre, J.A., 5

Wakerley, J.B., see Ingram, C.D., 67
Wanscher, B., Kragh, J., Barry, D.I., Bolwig, T. and Zimmer, J., Increased somatostatin and enkephalin-like immunoreactivity in the rat hippocampus following hippocampal kindling, 33

Watanabe, T., see Yanai, K., 41
Wilcox, B.J., see Kalaria, R.N., 257
Wilson, B.R., see Springer, A.D., 1
Wrathall, J., see Brunello, N., 238
Wright, A.K., see McQueen, J.K., 77

Xi, M.-C., see Kitazawa, S., 96
Xiong, H. and Marshall, K., Angiotensin II modulation of glutamate excitation of locus coeruleus neurons, 261
Xu, M., Aiuchi, T., Nakaya, K., Arakawa, H., Maeda, M., Tsuji, A., Kato, T., Takeshige, C. and Nakamura, Ya., Effect of low-frequency electric stimulation on in vivo release of cholecystokinin-like immunoreactivity in medial thalamus of conscious rat, 205

Yamada, K., Fuji, K., Nabeshima, T. and Kameyama, T., Neurotoxicity induced by continuous infusion of quinolinic acid into the lateral ventricle in rats, 128
Yanai, K., Watanabe, T., Hatazawa, J., Itoh, M., Nunoki, K., Hatano, K., Iwata, R., Ishiwata, K., Ido, T. and Matsuzawa, T., Visualization of histamine H^1 receptors in dog brain by positron emission tomography, 41
Young, A.B., see Albin, R.L., 112

Zawilska, J.B. and Nowak, J.Z., Calcium influx through voltage-sensitive calcium channels regulates in vivo serotonin *N*-acetyltransferase (NAT) activity in hen retina and pineal gland, 17
Zhang, W.Q., Tandon, P., Sobotka, T.J., Hong, J.S. and Tilson, H.A., Alterations in acetylcholine-induced stimulation of inositol phospholipid hydrolysis in the dorsal hippocampus of kindled rats, 57
Zimmer, J., see Wanscher, B., 33
Ziylan, Y.Z., Lefauconnier, J.M., Bernard, G. and Bourre, J.M., Blood–brain barrier permeability: regional alterations after acute and chronic administration of ethinyl estradiol, 181

CONTENTS *(continued from back cover)*

Muscarinic receptors mediate the release of arachidonic acid from spinal cord and hippocampal neurons in primary culture
R. Kanterman, A. Ma, E. Briley, J. Axelrod and C. Felder (U.S.A.) 235
Increased nerve growth factor receptor mRNA in contused rat spinal cord
N. Brunello, M. Reynolds, J. Wrathall and I. Mocchetti (U.S.A.) 238
Conantokin-G: a novel peptide antagonist to the *N*-methyl-D-aspartic acid (NMDA) receptor
E. Edward Mena, M. Gullak, M. Pagnozzi, K. Richter, J. Rivier, L. Cruz and B. Olivera (U.S.A.) 241
Modulation of DL-α-amino-3-hydroxy-5-methylisoxazole-4-propionate (AMPA)/quisqualate receptors by phospholipase A_2 treatment
G. Massicotte and M. Baudry (U.S.A.) 245
Intracellular labeling of dentate granule cells in fixed tissue permits quantitative analysis of dendritic morphology
A. Felthauser and B. Claiborne (U.S.A.) 249
Effects of treatment with microencapsulated monosialoganglioside GM1 on cortical and striatal acetylcholine release in rats with cortical devascularizing lesions
D. Maysinger, M. Herrera-Marschitz, U. Ungerstedt and A.C. Cuello (Canada, Sweden) 252
Hippocampal adenosine A_1 receptors are decreased in Alzheimer's disease
R.N. Kalaria, S. Sromek, B.J. Wilcox and J.R. Unnerstall (U.S.A.) 257
Angiotensin II modulation of glutamate excitation of locus coeruleus neurons
H. Xiong and K. Marshall (Canada) 261
Inhibition of cardiac sympathetic nerve activity during swallowing evoked by laryngeal afferent stimulation in the cat
S. König, J. Czachurski and K. Dembowsky (F.R.G.) 265
Reduction of local cerebral blood flow to pathological levels by endothelin-1 applied to the middle cerebral artery in the rat
M.J. Robinson, I.M. Macrae, M. Todd, J.L. Reid and J. McCulloch (U.K.) 269
Descending axonal projections from the medial parabrachial and Kölliker–Fuse nuclear complex to the nucleus raphe magnus in cats
S. Gang, A. Mizuguchi, N. Kobayashi and M. Aoki (Japan) 273
Release of endogenous acetylcholine from rat brain slices with or without cholinesterase inhibition and its potentiation by hemicholinium-3
Yu. Umeda and T. Sumi (Japan) 278